17. (Amended.) The method of claim 16, wherein the fluorescent marker is an auxiliary granulation agent and the detecting of light emitted from the fluorescent marker consists of detecting emitted light of one discrete monochromatic wavelength.

19. (Amended.) The method of claim 1, wherein the granules comprise a core particle coated with a layer comprising the biologically active compound.

20. (Amended.) The method of claim 1, wherein the granules have an average size between 20-2000 µm.

44. (Amended.) A method for determining the quality parameter of an unknown granular composition, comprising the steps of:

a) providing a calibration model by illuminating a granular composition comprising a purified biologically active compound having a known quality parameter with light capable of fluorescence excitation of a fluorescent marker comprised in the granular composition, recording one or more images of the light emitted from the granular composition of a known quality and subjecting recorded images to data processing to form a calibration model,

b) illuminating a unknown granular composition comprising a purified biologically active compound with light capable of fluorescence excitation of a fluorescent marker comprised in the granular composition, recording at least one image of the light emitted from the unknown granular composition,

c) comparing at least one image of the unknown granular composition with the calibration model and

d) estimating the quality parameter of the unknown granular composition.